



# COMMONWEALTH of VIRGINIA

Molly Joseph Ward  
Secretary of Natural Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY  
Blue Ridge Regional Office  
[www.deq.virginia.gov](http://www.deq.virginia.gov)

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Director

Robert J. Weld  
Regional Director

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March 16, 2015

Mr. Tetsuro "Tex" Murakami  
President  
Yokohama Tire Manufacturing Virginia, LLC  
1500 Indiana Street  
Salem, Virginia 24153

Location: Salem  
Registration No.: 20123

Dear Mr. Murakami:

Attached is a Title V permit to operate your facility pursuant to 9VAC5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all conditions carefully.

This approval to operate does not relieve Yokomana Tire Manufacturing Virginia, LLC of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9VAC5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

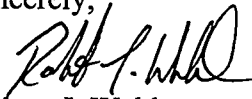
Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

Mr. David K. Paylor, Director  
Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact Lillian Alexander at 540/562-6783 or [lillian.alexander@deq.virginia.gov](mailto:lillian.alexander@deq.virginia.gov).

Sincerely,



Robert J. Weld  
Regional Director

Attachment: Permit

cc: Director, OAPP (electronic file submission)  
U.S. EPA, Region III, Air Protection Division, Cathleen Van Osten  
Manager/Inspector, BRRO Air Compliance (electronic file)



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## Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9VAC5-80-50 through 9VAC5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name: Yokohama Tire Manufacturing Virginia, LLC  
Facility Name: Yokohama Tire Manufacturing Virginia, LLC  
Facility Location: 1500 Indiana Street, Salem, VA 24153  
Registration Number: 20123  
Permit Number: BRRO-20123

This permit includes the following programs:

**Federally Enforceable Requirements - Clean Air Act (Pages 3 through 30)**

**March 16, 2015**

Effective Date

**March 15, 2020**

Expiration Date

Robert J. Weld, Regional Director

3/16/15

Signature Date

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## **Facility Information**

### **Permittee**

Yokohama Tire Manufacturing Virginia, LLC  
1500 Indiana Street, Salem, Virginia, 24153

### **Responsible Official**

Mr. Tetsuro "Tex" Murakami  
President, YTMV

### **Facility**

Yokohama Tire Manufacturing Virginia, LLC  
1500 Indiana Street, Salem, Virginia, 24153

### **Contact Person**

Mr. Neil Dalton  
Director of Environment Health and Safety  
540/375-8209

**County-Plant Identification Number:** 51-775-00026

**Facility Description:** NAICS 326211 - Tire Manufacturing (except retreading) – establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

## Emission Units

Equipment to be operated consists of:

Emission Unit ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device Description	Pollutant Controlled	Applicable Permit Document Date
<b>Fuel Burning Equipment</b>					
FB-B3	Cleaver Brooks DL-60 E boiler (natural gas, #2 fuel oil) installed 1977	55.1 MMBtu/hr	none	n/a	11/07/14
FB-B4	Arco Industries Model 90 101 boiler (natural gas, #2 fuel oil)	79.4 MMBtu/hr	none	n/a	11/07/14
<b>Tire Manufacturing</b>					
SOLV	"Rubber Solvent" use	unknown	none	n/a	11/07/14
SILANE	Silane coupler	unknown	none	n/a	03/08/13
PR-1	6 Printers (ink and offset)	unknown	none	n/a	11/07/14
PR-2	7 Mathews inkjet Printers	unknown	none	n/a	11/07/14
1-CBS	Carbon black storage silos	unknown	Bin vent filters	PM	11/07/14
1-IM	Internal mixers (5 black, 1 white) – including compound mixing and weigh stations	254,239,567 lb rubber/yr	Baghouses	PM	11/07/14
2-CAL	Calenders	68,294,209 lb rubber/yr	none	n/a	11/07/14
2-EX	Extruders	186,970,847 lb rubber/yr	none	n/a	11/07/14
2-WMill	Warm-up Mills	68,294,209 lb rubber /yr	none	n/a	11/07/14
2-TEND	Treadend Cementers	unknown	none	n/a	11/07/14
5-GTS	Green Tire Sprayers	unknown	none	n/a	11/07/14
5-PTP	Precure Tire Paint (manual application)	unknown	none	n/a	11/07/14
5-MRA	Mold Release Agent	2,275 gal/yr	none	n/a	11/07/14
5-CP	Tire Curing Presses	unknown	none	n/a	11/07/14
6-TUO	Tire Uniformity Optimizers	unknown	Baghouses	PM	11/07/14
6-SWB	Sidewall Buffers (whitewall only)	unknown	Baghouses	PM	11/07/14

\*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

## Fuel Burning Equipment Requirements - (FB-B3 & B4)

1. **Limitations (FB-B3 & B4)** - The approved fuels for the boilers are natural gas and distillate oil. A change in the fuels may require a permit to modify and operate.  
(9VAC5-80-110 and Condition 22 of 11/07/14 Permit document)
2. **Limitations - (FB-B3 & B4)** - The distillate oil shall meet the ASTM D396 specification or a DEQ-approved equivalent method for numbers 1 or 2 fuel oil:  
  
Maximum sulfur content per shipment: 0.2%  
  
(9VAC5-80-110, 40 CFR 60.46c (d)(2) and Condition 25 of 11/07/14 Permit document)
3. **Limitations - (FB-B3)** - The No. 3 boiler shall consume no more than 466.805 million cubic feet of natural gas and 3,497,652 gallons of distillate oil per year, calculated as the sum of the last consecutive 12-month period.  
(9VAC5-80-110 and Condition 23 of 11/07/14 Permit document)
4. **Limitations - (FB-B4)** - The No.4 boiler shall consume no more than 672.673 million cubic feet of natural gas and 1,753,235 gallons of distillate oil per year, calculated as the sum of the last consecutive 12-month period.  
(9VAC5-80-110 and Condition 24 of 11/07/14 Permit document)
5. **Limitations (FB-B3)** - Emissions from the operation of the No. 3 boiler shall not exceed the limits specified below:

Particulate Matter	0.8 lbs/hr	3.50 tons/yr
PM10	0.40 lbs/hr	1.77 tons/yr
Sulfur Dioxide	11.34 lbs/hr	49.67 tons/yr
Nitrogen Oxides (as NO2)	7.99 lbs/hr	34.98 tons/yr
Volatile Organic Compounds	0.29 lbs/hr	1.28 tons/yr
Carbon Monoxide	4.48 lbs/hr	19.61 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2 and 3.

(9VAC5-80-110 and Condition 30 of 11/07/14 Permit document)

6. **Limitations (FB- B4)** - Emissions from the operation of the No. 4 boiler shall not exceed the limits specified below:

Particulate Matter	1.15 lbs/hr	3.42 tons/yr
PM10	0.58 lbs/hr	2.56 tons/yr
Sulfur Dioxide	16.34 lbs/hr	25.03 tons/yr
Nitrogen Oxides (as NO2)	11.51 lbs/hr	39.47 tons/yr
Volatile Organic Compounds	0.42 lbs/hr	1.85 tons/yr
Carbon Monoxide	6.45 lbs/hr	28.25 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, 4 and 12.

(9VAC5-80-110 and Condition 31 of 11/07/14 Permit document)

7. **Limitations (FB-B3 & B4)** - Visible Emissions from each of the boiler stacks shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity. This condition applies at all times except during start-up, shutdown, or malfunction.

(9VAC5-50-80, 9VAC5-80-110 and Condition 46 of 11/07/14 Permit document)

8. **Boiler Stack Exhaust (FB-B3)** - The exhaust stack for boiler No. 3 shall be at least 20 meters (65.6 feet) above ground level.

(9VAC5-80-110 and Condition 28 of 11/07/14 Permit document)

9. **Boiler Stack Exhaust (FB-B4)** - The exhaust stack for boiler No. 4 shall be at least 25 meters (82.0 feet) above ground level.

(9VAC5-80-110 and Condition 29 of 11/07/14 Permit document)

10. **Limitations (FB-B3 & B4)** - Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for each boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.

(9VAC5-80-110 and Condition 5 of 11/07/14 Permit)

11. **Monitoring (FB-B3 & B4)** - The boilers shall be observed visually at least once per day that the boiler uses fuel oil, for the presence of visible emissions. The presence of visible emissions shall require the permittee to:
- Take timely corrective action such that the unit resumes operation with no visible emissions, or,
  - Conduct a visible emission evaluation (VEE), in accordance with EPA Method 9 (reference 40 CFR 60 Appendix A) for a minimum of six minutes, to assure visible emissions from the boiler are 10 percent opacity or less. If any of the 15-second observations exceeds 10 percent opacity, the observation period shall continue for a total of sixty (60) minutes. If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the boiler resumes operation with visible emissions less than or equal to 10 percent opacity.

The permittee shall maintain an observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer.  
(9VAC5-80-110)

12. **Fuel Certification (FB-B3 & B4)** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
- The name of the fuel supplier;
  - The date on which the oil was received;
  - The volume of distillate oil delivered in the shipment;
  - A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) or a DEQ-approved equivalent method for numbers 1 and 2 fuel oil; and
  - The sulfur content of the oil.

(9VAC5-80-110, 40 CFR 60.48c (f)(1) and Condition 26 of 11/07/14 Permit)

13. **Recordkeeping (FB-B3 & B4)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- The monthly and annual throughput of fuel for each boiler calculated monthly as the sum of each consecutive 12-month period.
  - All fuel supplier certifications.
  - Operations, maintenance and observation records for the boilers as required in Conditions 10 and 11.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent (5) years.

(9VAC5-50-50, 9VAC 5-80-110, 40 CFR 60.48c (e)(11) and Condition 52 of 11/07/14 Permit)

14. **Reporting (FB-B3 & B4)** - The permittee shall submit fuel quality reports to the Blue Ridge Regional Office, no later than January 30 and July 30 of each calendar year, unless otherwise approved in writing. The reports shall include:
- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. If there was no fuel received during the time period, the permittee shall include a statement in the report that "no fuel was received during the semiannual period."
  - b. A copy of all fuel supplier certifications for all shipments of each fuel received during the semiannual period that includes the information specified in Condition 12 for each shipment of fuel; and
  - c. A signed statement from the owner or operator of the facility that the fuel supplier certifications represent all of the fuel burned or received at the facility.

(9VAC 5-80-110, 40 CFR 60.48c (j) and Condition 53 of 11/07/14 Permit)

#### **"Rubber Solvent" Requirements - (SOLV)**

15. **Limitations (SOLV)** - Use of "Rubber Solvent" shall not exceed 9,000 gallons per year calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

(9VAC5-80-110 and Condition 12 of 11/07/14 Permit document)

16. **Limitations (SOLV)** - Emissions from "Rubber Solvent" use shall not exceed the limits specified below:

Volatile Organic Compounds	25.88 tons/yr
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These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 15.

(9VAC5-80-110 and Condition 42 of 11/07/14 Permit document)

17. **Recordkeeping (SOLV)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual consumption of "Rubber Solvent" (in gallons). Annual consumption shall be calculated monthly as the sum of each consecutive 12-month period.

- b. Material Safety Data Sheets (MSDS), Certified Product Data Sheets (CPDS), other vendor information as approved by DEQ showing VOC content and HAP content, of the "Rubber Solvent".
- c. A monthly and annual material balance of VOC emissions (in tons) from "Rubber Solvent" use. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period. The consecutive 12-month period sum shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

### **Silane Requirements - (SILANE)**

- 18. **Limitations (SILANE)** - The annual use of silane shall not exceed 276,340 pounds, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC 5-80-110 and Condition 2 of 03/08/13 Permit document)

- 19. **Limitations (SILANE)** - Emissions from silane use shall not exceed the limits specified below:

Volatile Organic Compounds	0.51 lb/lb silane coupler	70.87 tons/yr
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These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 18 and 20.

(9VAC5-80-110 and Condition 3 of 03/08/13 Permit document)

- 20. **Recordkeeping (SILANE)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:

- d. Annual use of silane, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- e. Monthly emissions calculations for VOC from the use of silane-containing coupling agents using calculation methods approved by the Blue Ridge Regional Office to verify compliance with the emissions limitations in Condition 19.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110 and Condition 4 of 03/08/13 Permit document)

## **Printer Requirements - (PR-1 & PR-2)**

21. **Limitations (PR-2)** - Emissions from the Mathews ink jet printing operations (up to 7 printers) shall not exceed the limits specified below:

Volatile Organic Compounds                      18 tons/yr

(9VAC 5-80-110 and Condition 44 of 11/07/14 Permit document)

22. **Limitations (PR-1)** - Emissions from the printing operations (6 inkjet and offset printers) shall not exceed the limits specified below:

Volatile Organic Compounds                      2.29 tons/yr

(9VAC5-80-110 and Condition 43 of 11/07/14 Permit document)

23. **Recordkeeping (PR-1 & PR-2)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:

Monthly and annual VOC emissions from each printing operation (PR-1, PR-2), calculated monthly as the sum of each consecutive 12-month period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

24. **Notification (PR-2)** - The permittee shall furnish written notification to the Blue Ridge Regional Office of:

- a. The actual date on which installation of the new printers commenced within 30 days after such date.
- b. The actual start-up date of each new printer within 15 days after such date.

(9-VAC-5-80-110 and Condition 54 of 11/07/14 Permit document)

## **Division 100 Requirements - (1-CBS & 1-IM)**

25. **Limitations (1-CBS)** - Particulate emissions from the carbon black storage silos shall be controlled by bin vent filters. The bin vent filters shall be provided with adequate access for inspection.  
(9VAC5-80-110 and Condition 3 of 11/07/14 Permit document)

26. **Limitations (1-IM)** - Particulate emissions from the Internal mixers shall be controlled by baghouses. The baghouses shall be provided with adequate access for inspection and equipped with

a device to continuously measure the differential pressure drop across the baghouse. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.

(9VAC5-80-110 and Condition 2 of 11/07/14 Permit document)

27. **Limitations (1-IM)** - The ductwork and baghouses shall be inspected from the outside each week for leaks. Pressure drop on the baghouses shall be monitored and recorded daily. Any necessary maintenance shall be done in a timely fashion.  
(9VAC5-80-110 and Condition 9 of 11/07/14 Permit document)
28. **Limitations (Division 100)** - Division 100 shall process no more than 198,093,240 pounds of rubber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC 5-80-110 and Condition 14 of 11/07/14 Permit document)
29. **Limitations (Division 100)** - Visible emissions from the baghouses and bin vent filters shall not exceed 3% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9VAC5-50-80, 9VAC 5-80-110 and Condition 48 of 11/07/14 Permit document)
30. **Limitations (Division 100)** - Total emissions from the operation of the carbon black transfer, internal mixers, compound mixing and weighing stations (excluding VOC emissions from silane use) shall not exceed the limits specified below:
- |                            |              |               |
|----------------------------|--------------|---------------|
| Particulate Matter         | 2.47 lbs/hr  | 9.75tons/yr   |
| PM10                       | 0.63 lbs/hr  | 2.46 tons/yr  |
| Volatile Organic Compounds | 11.20 lbs/hr | 10.55 tons/yr |
- These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 28.  
(9VAC5-80-110 and Condition 32 of 11/07/14 Permit document)
31. **Monitoring (Division 100)** - At least one time per day an observation of the presence of visible emissions from each bin vent filter and each baghouse shall be made. The presence of visible emissions shall require the permittee to:
- Take timely corrective action such that the unit resumes operation with no visible emissions, or,
  - Conduct a visible emission evaluation (VEE), in accordance with EPA Method 9 (reference 40 CFR 60 Appendix A) for a minimum of six minutes, to assure visible emissions from the bin vents and baghouses are 3 percent opacity or less. If any of the 15-second observations exceeds 3 percent opacity, the observation period shall continue for a total of sixty (60) minutes. If compliance is not demonstrated by this VEE, timely corrective action shall be

taken such that the equipment resumes operation with visible emissions less than or equal to 3 percent opacity.

The permittee shall maintain an observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the unit has not been operated, it shall be noted in the log book.

(9VAC5-80-110 and Condition 50 of 11/07/14 Permit Document)

32. **Recordkeeping (Division 100)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- a. Daily and annual production of rubber (in pounds) through Division 100 (1-IM) and associated calculations using appropriate emission factors to demonstrate compliance with the PM and PM10 emission limits in Condition 30. Annual production shall be calculated monthly as the sum of each consecutive 12-month period.
  - b. Operation and control device monitoring records for the baghouses as required in Conditions 26 and 27. Maintenance to the baghouses and ductwork. The records shall include diagrams which show the specific location of filter media which have failed since the last overall replacement of filter media.
  - c. Results of all observations as required in Condition 31 of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

### **Division 200 Requirements - (2-CAL, 2-EX, 2-WMILL & 2-TEND)**

33. **Limitations (2-TEND)** - VOC emissions from the tread end cementing process shall be controlled by utilizing improved-efficiency nozzles for spray delivery.  
(9VAC5-80-110 and Condition 6 of 11/07/14 Permit document)
34. **Limitations (2-TEND)** - The tread end cementing operations shall consume no more than 9,900 gallons of cement per year calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-110 and Condition 11 of 11/07/14 Permit document)
35. **Limitations (2-EX)** - The extruder operations shall process no more than 121,866,840 pounds of rubber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

(9VAC 5-80-110 and Condition 15 of 11/07/14 Permit document)

36. **Limitations (2-CAL)** - The calender operations shall process no more than 67,397,180 pounds of rubber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9VAC5-80-110 and Condition 16 of 11/07/14 Permit document)

37. **Limitations (2-WMILL)** - The warm-up mills shall process no more than 67,397,180 pounds of rubber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9VAC5-80-110 and Condition 17 of 11/07/14 Permit document)

38. **Limitations (2-WMILL)** - Emissions from the operation of the Warm-up Mills shall not exceed the limits specified below:

Volatile Organic Compounds                      3.81 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 37.

(9VAC5-80-110 and Condition 33 of 11/07/14 Permit document)

39. **Limitations (2-CAL)** - Emissions from the operation of the Calenders shall not exceed the limits specified below:

Volatile Organic Compounds                      2.01 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 36.

(9VAC5-80-110 and Condition 34 of 11/07/14 Permit document)

40. **Limitations (2-EX)** - Emissions from the operation of the Extruders (excluding VOC emissions from silane use) shall not exceed the limits specified below:

Volatile Organic Compounds                      1.51 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 35.

(9VAC 5-80-110 and Condition 35 of 11/07/14 Permit document)

41. **Limitations (2-TEND)** - Emissions from the operation of the Tread End Cementers shall not exceed the limits specified below:

Volatile Organic Compounds                      10 grams (0.22 lb)/tire cemented                      31.19 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with the tons per year emission limits may be determined as stated in Condition number 34. Compliance with the lb per tire cemented limit will be determined in accordance with 40 CFR 60.543 (b)(4) or (d).

(9VAC5-80-110, 40 CFR 60.542(a)(3) and Condition 36 of 11/07/14 Permit document)

42. **Recordkeeping and Reporting (Division 200)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual production of rubber (in pounds) through the following processes. Annual production shall be calculated monthly as the sum of each consecutive 12-month period.
    - calender operations (2-CAL)
    - warm-up mills (2-WMILL)
    - extruders (2-EX)
  - b. Monthly and annual consumption of cement and adhesives (in gallons) used in the tread end cementing (2-TEND) operations. Annual consumption shall be calculated monthly as the sum of each consecutive 12-month period.
  - c. Verification of VOC/tire cemented limitation (Condition 41) as specified in 40 CFR 60.543(b)(4) or (d).
  - d. Material Safety Data Sheets (MSDS), Certified Product Data Sheets (CPDS), other vendor information as approved by DEQ showing VOC content and HAP content, of the adhesives and cements used in the tread end cementing (2-TEND) operations.
  - e. A monthly and annual material balance of VOC emissions (in tons) from adhesives and cements used in the tread end cementing (2-TEND) operations. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period. The consecutive 12-month period sum shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
  - f. Records and reports as required in 40 CFR 60.543(b)(4) or (d), and 40 CFR 60.546(f)(1) and (j).

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 40 CFR 60.542(a)(5)(3), 40 CFR 60.543(b)(4), (d) and (m), 40 CFR 60.546(f)(1) and (j) 9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

## Division 500 Requirements - (5-GTS, 5-PTP & 5-CP)

43. **Limitations (5-GTS)** - The green tire spray operations use no more than 72,000 gallons of spray per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. Maximum VOC content of spray shall be 0.102 lb/gal.  
(9VAC5-80-110 and Condition 18 of 11/07/14 Permit document)
44. **Limitations (5-PTP)** - The use of Precure Tire Paint (PTP) shall not exceed 800 gallons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. Maximum VOC content of the PTP shall be 5.64 lb/gal.  
(9VAC 5-80-110 and Condition 13 of 11/07/14 Permit document)
45. **Limitations (5-CP)** - The curing presses shall process no more than 181,035,061 pounds of rubber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-110 and Condition 19 of 11/07/14 Permit document)
46. **Limitations (5-CP)** - Visible emissions from the roof exhausts in the curing press area shall not exceed 5 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9VAC5-50-80, 9VAC5-80-110 and Condition 47 of 11/07/14 Permit document)
47. **Limitations (5-GTS)** - Emissions from the operation of the Green Tire Spray operation shall not exceed the limits specified below:

Particulate Matter	2.62 lbs/hr	7.43 tons/yr
PM10	2.62 lbs/hr	7.43 tons/yr
Volatile Organic Compounds		3.67 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 43.  
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(9VAC5-80-110, 40 CFR 60.542 (a)(5) and (7) and Condition 37 of 11/07/14 Permit document)

48. **Division 500 Emission Limits (5-PTP)** - Emissions from use of PTP shall not exceed the limits specified below.

Volatile Organic Compounds	2.26 tons/yr
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These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 44.

(9VAC5-80-110 and Condition 38 of 11/07/14 Permit document)

49. **Limitations (5-CP)** - Total emissions from the operation of the Curing Press operation (excluding VOC emissions from silane use) shall not exceed the limits specified below:

Particulate Matter	24.81 lbs/hr	67.12 tons/yr
PM10	22.68 lbs/hr	56.95 tons/yr
Volatile Organic Compounds	8.31 lbs/hr	21.72 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 45.

(9VAC5-80-110 and Condition 39 of 11/07/14 Permit document)

50. **Monitoring (5-CP)** - At least one time per day an observation of the presence of visible emissions from roof exhausts in the curing press area shall be made. The presence of visible emissions shall require the permittee to:
- Take timely corrective action such that the unit resumes operation with no visible emissions, or,
  - Conduct a visible emission evaluation (VEE), in accordance with EPA Method 9 (reference 40 CFR 60 Appendix A) for a minimum of six minutes, to assure visible emissions from the curing press exhaust is 5 percent opacity or less. If any of the 15-second observations exceeds 5 percent opacity, the observation period shall continue for a total of sixty (60) minutes. If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the equipment resumes operation with visible emissions less than or equal to 5 percent opacity.

The permittee shall maintain an observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the unit has not been operated, it shall be noted in the log book.

(9VAC5-80-110)

51. **Recordkeeping and Reporting (Division 500)** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:

- Monthly and annual consumption of green tire spray (GTS) (in gallons). Annual consumption shall be calculated monthly as the sum of each consecutive 12-month period.

- b. Monthly and annual consumption of Precure Tire Paint (PTP) (in gallons). Annual consumption shall be calculated monthly as the sum of each consecutive 12-month period.
- c. Daily and annual Curing Press operation rubber throughput and associated calculations using appropriate emission factors sufficient to demonstrate compliance with the PM and PM10 emission limits in Condition 49.
- d. Records of VOC content of GTS and PTP.
- e. Records and reporting as required in 40 CFR 60.543(b)(4)<sup>1</sup> and 40 CFR 60.546(f)(1) and (j).
- f. Demonstration of compliance with 40 CFR 60.542(a)(7) for PTP process.
- g. Results of all observations as required in Condition 50 of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 40 CFR 60.542 (a)(5) and (a)(7), 40 CFR 60.543 (b)(4), (d) and (m), 40 CFR 60.546 (f)(1) and (j) 9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

### **Division 600 Requirements - (6-TUO & 6-SWB)**

- 52. **Limitations (6-TUO & 6-SWB)** - Particulate emissions from the tire uniformity optimizers and sidewall buffers shall be controlled by baghouses, or equivalent. Each baghouse shall be provided with adequate access for inspection and equipped with a device to continuously measure the differential pressure drop across the baghouse. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.  
(9VAC5-80-110 and Condition 4 of 11/07/14 Permit document)
- 53. **Limitations (6-TUO & 6-SWB)** - The ductwork and baghouses shall be inspected from the outside each week for leaks. Pressure drop on the baghouses shall be monitored and recorded daily. Any necessary maintenance shall be done in a timely fashion.  
(9VAC5-80-110 and Condition 9 of 11/07/14 Permit document)
- 54. **Limitations (6-TUO)** - The tire uniformity optimizers shall grind no more than 900,000 tires per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-110 and Condition 20 of 11/07/14 Permit document)
- 55. **Limitations (6-SWB)** - The sidewall buffer operation shall grind no more than 2,700,000 tires per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-110 and Condition 21 of 11/07/14 Permit document)

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<sup>1</sup> if YTMF uses inside GTS containing <1% VOC by wt., compliance with 0.026 lbVOC/tire may be demonstrated per 40 CFR 60.543(b)(4)

56. **Limitations (6-TUO & 6-SWB)** - Visible emissions from the baghouses shall not exceed 3 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9VAC5-50-80, 9VAC5-80-110 and Condition 48 of 11/07/14 Permit document)

57. **Limitations (6-SWB)** - Total emissions from the operation of the Sidewall Buffing operation shall not exceed the limits specified below:

Particulate Matter	0.35 lbs/hr*	1.37 tons/yr
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Volatile Organic Compounds	0.25 lbs/hr	1.00 tons/yr
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\* Total PM emissions include controlled emissions (baghouse) of 0.14 lb/hr and 0.57 tons/yr

These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 52 and 55.

(9VAC5-80-110 and Condition 40 of 11/07/14 Permit document)

58. **Limitations (6-TUO)** - Emissions from the operation of the Tire Uniformity Optimizer operation shall not exceed the limits specified below:

Particulate Matter	0.07 lbs/hr	0.29 tons/yr
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These emissions are derived from the estimated overall emission contribution from the Operating Limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 52 and 54.

(9VAC5-80-110 and Condition 41 of 11/07/14 Permit document)

59. **Monitoring (Division 600)** - At least one time per day an observation of the presence of visible emissions from Division 600 baghouses shall be made. The presence of visible emissions shall require the permittee to:

- a. Take timely corrective action such that the unit resumes operation with no visible emissions, or,
- b. Conduct a visible emission evaluation (VEE), in accordance with EPA Method 9 (reference 40 CFR 60 Appendix A) for a minimum of six minutes, to assure visible emissions from the baghouse is 3 percent opacity or less. If any of the 15-second observations exceeds 3 percent opacity, the observation period shall continue for a total of sixty (60) minutes. If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the equipment resumes operation with visible emissions less than or equal to 3 percent opacity.

The permittee shall maintain an observation log to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If the unit has not been operated, it shall be noted in the log book.

(9VAC5-80-110 and Condition 50 of 11/07/14 Permit Document)

60. **Recordkeeping (Division 600)** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual throughput of tires through the following processes. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.
    - sidewall buffers (6-SWB)
    - tire uniformity optimizers (6-TUO)
  - b. Operation and control device monitoring records for the baghouses as required in Conditions 52 and 53. Maintenance to the baghouses and ductwork. The records shall include diagrams which show the specific location of filter media which have failed since the last overall replacement of filter media.
  - c. Results of all observations as required in Condition 59 of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

## Facility Wide Conditions

61. **Limitations** - Emissions from the operation of the tire manufacturing facility shall not exceed the limits specified below:

Volatile Organic Compounds (excluding emissions from silane use)	124 tons/yr
Individual HAP	9 tons/yr
Combined HAP	24 tons/yr

(9VAC5-80-110 and Condition 45 of 11/07/14 Permit document)

62. **Maintenance/Operating Procedures** – At all times, including periods of start-up, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

(9VAC5-80-110 and Condition 57 of 11/07/14 Permit document)

63. **Facility Wide Conditions - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual VOC emissions calculated monthly as the sum of each consecutive 12-month period to demonstrate compliance with the limit in Condition 61.
  - b. Monthly and annual HAPs emissions calculated monthly as the sum of each consecutive 12-month period to demonstrate compliance with the limit in Condition 61.
  - c. Material Safety Data Sheets (MSDS), Certified Product Data Sheets (CPDS), or other vendor information as approved by the DEQ showing VOC and HAP content for each solvent, cement and cleaning solution used.
  - d. Scheduled and unscheduled maintenance and operator training to demonstrate compliance with the requirements of Condition 62.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110 and Condition 52 of 11/07/14 Permit document)

64. **Emissions Testing** - The permitted facility shall be designed and constructed to allow emissions testing using appropriate methods upon reasonable notice at any time. Sampling ports shall be provided when requested and safe sampling platforms and access shall be provided  
(9VAC5-80-110 and Condition 10 of 11/07/14 Permit document)

65. **Testing** - Upon request by the DEQ, the permittee shall conduct performance tests to demonstrate compliance with the emission limits contained in this permit. The details of the tests shall be arranged with the Blue Ridge Regional Office.  
(9VAC5-50-30, 9VAC5-80-110 and Condition 49 of 11/07/14 Permit document)

66. **Visible Emissions Evaluations** - Upon request by the DEQ, the permittee shall conduct visible emissions evaluations to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Blue Ridge Regional Office.  
(9VAC5-50-30, 9VAC5-80-110 and Condition 51 of 11/07/14 Permit document)
67. **HAP Emission Controls** - Manufacturing processes shall use only cements and solvents containing no Hazardous Air Pollutants as listed in §112(b) (as revised by 40 CFR63.60) of the federal Clean Air Act.  
(9VAC5-80-110 and Condition 7 of 11/07/14 Permit document)
68. **VOC Work Practice Standards** – At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9VAC5-80-110 and Condition 8 of 11/07/14 Permit document)

### Insignificant Emission Units

69. **Insignificant Emission Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720B)	Rated Capacity (9VAC5-80-720C)
3-BEC/T	BEC/BET	9VAC5-80-720B	VOC	
3-Wind	Bead Winders	9VAC5-80-720B	VOC	
3-Tip	Bead Tippers	9VAC5-80-720B	VOC	

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9VAC5-80-110.

### Permit Shield & Inapplicable Requirements

70. **Permit Shield & Inapplicable Requirements** - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
None identified		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board

pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.  
(9VAC5-80-140)

## General Conditions

71. **Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.  
(9VAC5-80-110 N)
72. **Permit Expiration** - This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
73. **Permit Expiration** - The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
74. **Permit Expiration** - If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
75. **Permit Expiration** - No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
76. **Permit Expiration** - If an applicant submits a timely and complete application under section 9VAC5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
77. **Permit Expiration** - The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
78. **Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
  - a. The date, place as defined in the permit, and time of sampling or measurements;

- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of such analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(9VAC5-80-110 F)

79. **Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9VAC5-80-110 F)

80. **Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
- b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
  - i. Exceedance of emissions limitations or operational restrictions;
  - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
  - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9VAC5-80-110 F)

81. **Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b)

of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
- b. The identification of each term or condition of the permit that is the basis of the certification;
- c. The compliance status;
- d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;
- e. Consistent with subsection 9VAC5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;
- f. Such other facts as the permit may require to determine the compliance status of the source; and
- g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3\_APD\_Permits@epa.gov

(9VAC5-80-110 K.5)

82. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Blue Ridge Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 80 of this permit.

(9VAC5-80-110 F.2 and 9VAC5-80-250)

83. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Blue Ridge Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Blue Ridge Regional Office.

(9VAC5-20-180 C)

84. **Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.  
(9VAC5-80-110 G.1)
85. **Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.  
(9VAC5-80-110 G.2)
86. **Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
(9VAC5-80-110 G.3)
87. **Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9VAC5-80-190 and 9VAC5-80-260)
88. **Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9VAC5-80-110 G.5)
89. **Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9VAC5-80-110 G.6)
90. **Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9VAC5-80-80 G.  
(9VAC5-80-110 K.1)
91. **Duty to Pay Permit Fees** - The owner of any source for which a permit under 9VAC5-80-50 through 9VAC5-80-300 was issued shall pay permit fees consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9VAC5-80-2340, adjusted annually by the change in the Consumer Price Index.

(9VAC5-80-110 H, 9VAC5-80-340 C and 9VAC5-80-2340 B)

92. **Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
  - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
  - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
  - d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
  - e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9VAC5-50-90)

93. **Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9VAC5-50-20 E)

94. **Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.

(9VAC5-80-110 J)

95. **Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

- b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
- c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
- d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9VAC5-80-110 K.2)

96. **Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:

- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.

(9VAC5-80-110 L)

97. **Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9VAC5-80-150 E)

98. **Transfer of Permits** - No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.

(9VAC5-80-160)

99. **Transfer of Permits** - In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.

(9VAC5-80-160)

100. **Transfer of Permits** - In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of

the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.  
(9VAC5-80-160)

101. **Malfunction as an Affirmative Defense** - A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements stated in Condition 102 are met.  
(9VAC5-80-250)
102. **Malfunction as an Affirmative Defense** - The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
- a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
  - b. The permitted facility was at the time being properly operated.
  - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
  - d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9VAC5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9VAC5-20-180 C.
- (9VAC5-80-250)
103. **Malfunction as an Affirmative Defense** - In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.  
(9VAC5-80-250)
104. **Malfunction as an Affirmative Defense** - The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.  
(9VAC5-80-250)
105. **Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.  
(9VAC5-80-190 C and 9VAC5-80-260)

106. **Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.  
(9VAC5-80-80 E)
107. **Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.  
(40 CFR Part 82, Subparts A-F)
108. **Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).  
(9VAC5-60-70 and 9VAC5-80-110 A.1)
109. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.  
(40 CFR Part 68)
110. **Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.  
(9VAC5-80-110 I)
111. **Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.
  - b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
  - c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.
- (9VAC5-80-110 I)